

A thereof to the stream; adding a flocculant to the stream to produce a flocculated mass; recovering the flocculated mass; and using the recovered the flocculated mass as a nutrient source or animal feed.

31. (amended) The process of claim 27 wherein said process consists essentially of adjusting the pH of an aqueous stream, which comprises phosphorus, to at least 7 by adding a calcium-containing compound; adding one or more metal ions selected from the group consisting of zinc ions, manganese ions, and mixtures thereof to the stream; adding at least one cationic organic polymer to the stream; adding an anionic inorganic colloid to the stream; and adding at least one anionic organic polymer to the stream to produce a flocculated mass.

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C5 32. (amended) The process of claim wherein said process consists essentially of adjusting the pH of an aqueous stream, which comprises phosphorus, to at least 7 by adding a calcium-containing compound; adding one or more metal ions selected from the group consisting of zinc ions, manganese ions, and mixtures thereof to the stream; adding an anionic inorganic colloid to the stream; adding a flocculant to the stream to produce a flocculated mass; recovering the flocculated mass; and using the recovered the flocculated mass as a nutrient source or animal feed.

REMARKS

Claims 26-28 and 31-32 were objected to. The objection is submitted to be now moot in view of the amendments presented above.

Claims 1, 3-5, 7-14, and 23-24 were rejected under 35 USC 103(a) over Allgulin in view of Chung et al. The rejection is traversed.

The claimed invention, claims 1 and 5 are representative, is directed to a process to remove phosphorus from an aqueous stream, which comprises phosphorus, comprising (a) adjusting pH of the stream to a pH of at least 7; (b) adding zinc and/or manganese metal ions to the stream; (c) adding an anionic inorganic colloid to the stream; and (d) adding a flocculant to produce a flocculated mass (claim 1); or (c) adding at least one cationic organic polymer to the stream; and (d) adding at least one anionic organic polymer to the stream to produce a flocculated mass (claim 5). Elements (c) and (d) are required in the claimed process.